



PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/607,781	
	Filing Date	06/27/2003	
	First Named Inventor	IWASA, Souichi et al.	
	Art Unit	3611	
	Examiner Name	WINNER, Tony H.	
Total Number of Pages in This Submission	6	Attorney Docket Number	033737.0142

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input checked="" type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Transmittal Letter European Search Report Return Receipt Postcard
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Robert G. Weilacher, Reg. No. 20,531
Signature	
Date	October 18, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Lucy Kimsey		
Signature		Date	October 18, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/607,781
Applicant(s) : IWASA, Souichi et al.
Filed : 06/27/2003
TC/A.U. : 3611
Examiner : WINNER, Tony H.
Title : Electric Power Steering System

Confirmation No. 6462

Docket No. : 033737.0142
Customer No. : 25461

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

**TRANSMITTAL LETTER FOR
EUROPEAN SEARCH REPORT**

This application was allowed on August 17, 2004. Pursuant to the duty of disclosure under 37 C.F.R. 1.56, Applicants submit herewith a copy of the European Search Report, dated February 6, 2004. The documents cited in the European Search Report were previously cited in Applicants' Information Disclosure Statement filed June 27, 2003. Applicants hereby request that the enclosed document be placed in the file.

Respectfully submitted,

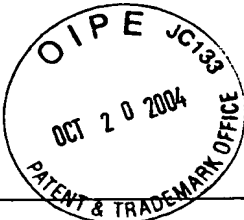
SMITH, GAMBRELL & RUSSELL, LLP

By: Robert G. Weilacher, Reg. No. 20,531

Dated: October 18, 2004
Suite 3100, Promenade II
1230 Peachtree Street, N.E.
Atlanta, Georgia 30309-3592
Ph: (404) 815-3593
Fax: (404) 685-6893



P.B.5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
☎ +31 70 340 2040
TX 31651 epo nl
FAX +31 70 340 3016



Europäisches
Patentamt

Zweigstelle
in Den Haag
Recherchen-
abteilung

European
Patent Office

Branch at
The Hague
Search
division

Office européen
des brevets

Département à
La Haye
Division de la
recherche

Popp, Eugen, Dr.
MEISSNER, BOLTE & PARTNER
Widenmayerstrasse 48
80538 München
ALLEMAGNE

MEISSNER, BOLTE & PARTNER		Za	Py	Sk
		Bu	Sj	Sk
EING 06. Feb. 2004		Tx	Bo	Sk
WV 13.2.04		Op	Kr	Sk
LT		Lh	Sk	Ru
		Su	Sk	Hx

Datum/Date

06.02.04

ichen/Ref./Réf.

M/WPO-042-EP/A1

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

03021468.8-2425-

melder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

Koyo Seiko Co., Ltd.

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

2

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent
Office



EUROPEAN SEARCH REPORT

Application Number

EP 03 02 1468

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Y	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 09, 30 September 1997 (1997-09-30) -& JP 09 123927 A (NIPPON SEIKO KK), 13 May 1997 (1997-05-13) * abstract *	1	B62D5/04 F16H55/20 F16H57/12
Y	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11, 28 November 1997 (1997-11-28) -& JP 09 193815 A (KOYO SEIKO CO LTD), 29 July 1997 (1997-07-29) * abstract; figures 1,2 *	1	
D,A	EP 1 016 581 A (TRW INC) 5 July 2000 (2000-07-05) * column 2, line 46 - column 4, line 55; figures 1,2 *	1	
A	US 5 743 145 A (ABE KENICHIRO ET AL) 28 April 1998 (1998-04-28) * column 3, line 19 - column 4, line 32; figure 1 *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B62D F16H
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 3 December 2003	Examiner Blondeau, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

1

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 02 1468

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-12-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 09123927	A	13-05-1997	NONE		
JP 09193815	A	29-07-1997	NONE		
EP 1016581	A	05-07-2000	US	6155376 A	05-12-2000
			BR	9904353 A	12-09-2000
			EP	1016581 A2	05-07-2000
			JP	3245582 B2	15-01-2002
			JP	2000190855 A	11-07-2000
US 5743145	A	28-04-1998	JP	8177984 A	12-07-1996



ABSTRACT / ZUSAMMENFASSUNG / ABREGE

03021468.8

In an electric power steering system, a second bevel gear (4) is allowed to move toward a first bevel gear (2) and is biased by a biasing member (7) toward the first bevel gear (2) thereby to be moved toward the first bevel gear as following the wearing away of these bevel gears.

The rack housing comprises a first housing (H2a) for supporting one end of the rotary element (5) and a second housing (H2b) for supporting the other end of the rotary element (5). A housing adjuster (10) provides for adjustment of the relative axial position of the first and second housings.